# COE Community Process for Web COP

## November 2001 CRCB

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**COE Program Manager**

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# What Problem are We Trying to Solve?

- **Need a new way to provide COE capabilities that leverages the considerable investment and development efforts that are already ongoing in the Services**
- **COE Web COP schedule perceived as being too late for fielding programs**

# The COE Community Process: What Is It?

| COE Community Process Model | = | Modified Java Community Process | + | Modified Open Source Model |
|---|---|---|---|---|

***A brand new model for software developmen***

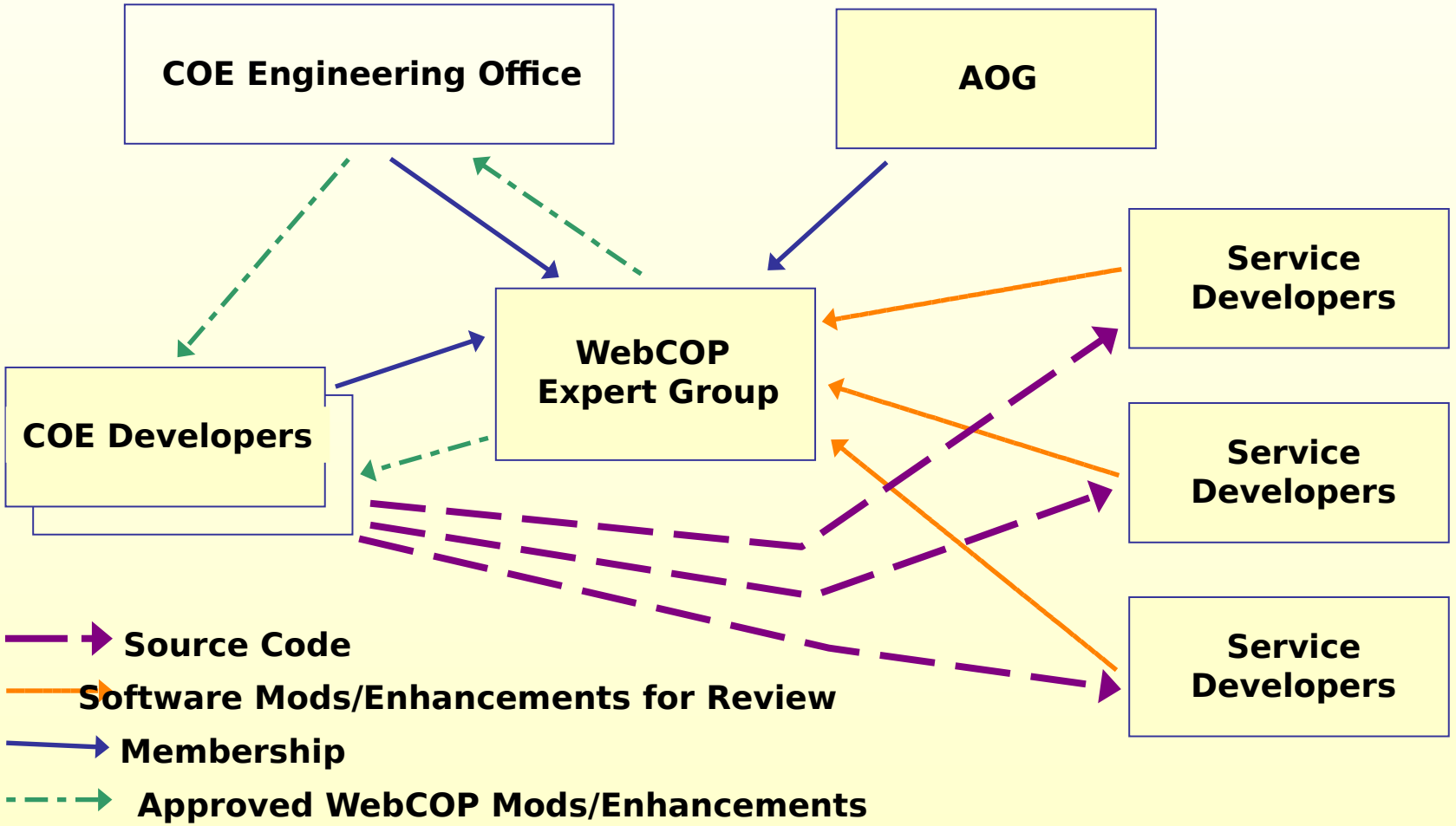
# How Will it Work?

- **DISA will provide:**
  - **Success criteria (what has to happen for a Web COP solution to be included in the COE)**
  - **Expert Group support**
  - **Source code, as necessary (!!!)**
  - **Resources to review and roll community changes into the COE baseline (also known as “the Golden Baseline”)**

# How Will it Work? (Continued)

- **The Services/Agencies will provide:**
  - **Development resources**
  - **“Expert Group” Membership**
  - **Modifications to the COE Source Code to be rolled back into the Golden Baseline**
  - **Extensions to the COE, as approved by the Expert Group and the COE Engineering Office**

# What Does it Look Like?



# Why Should I Participate?

- **Successful solution or solutions will be included in the COE**
  - **Services can compete for the "COE Brand"**
- **If you do not participate, you are agreeing to use someone else's solution**
- **Web COP solutions being developed outside of this process lose their excuse to not become COE compliant**
  - **We can't go any farther than providing source code**

# Who Makes Up the Team?

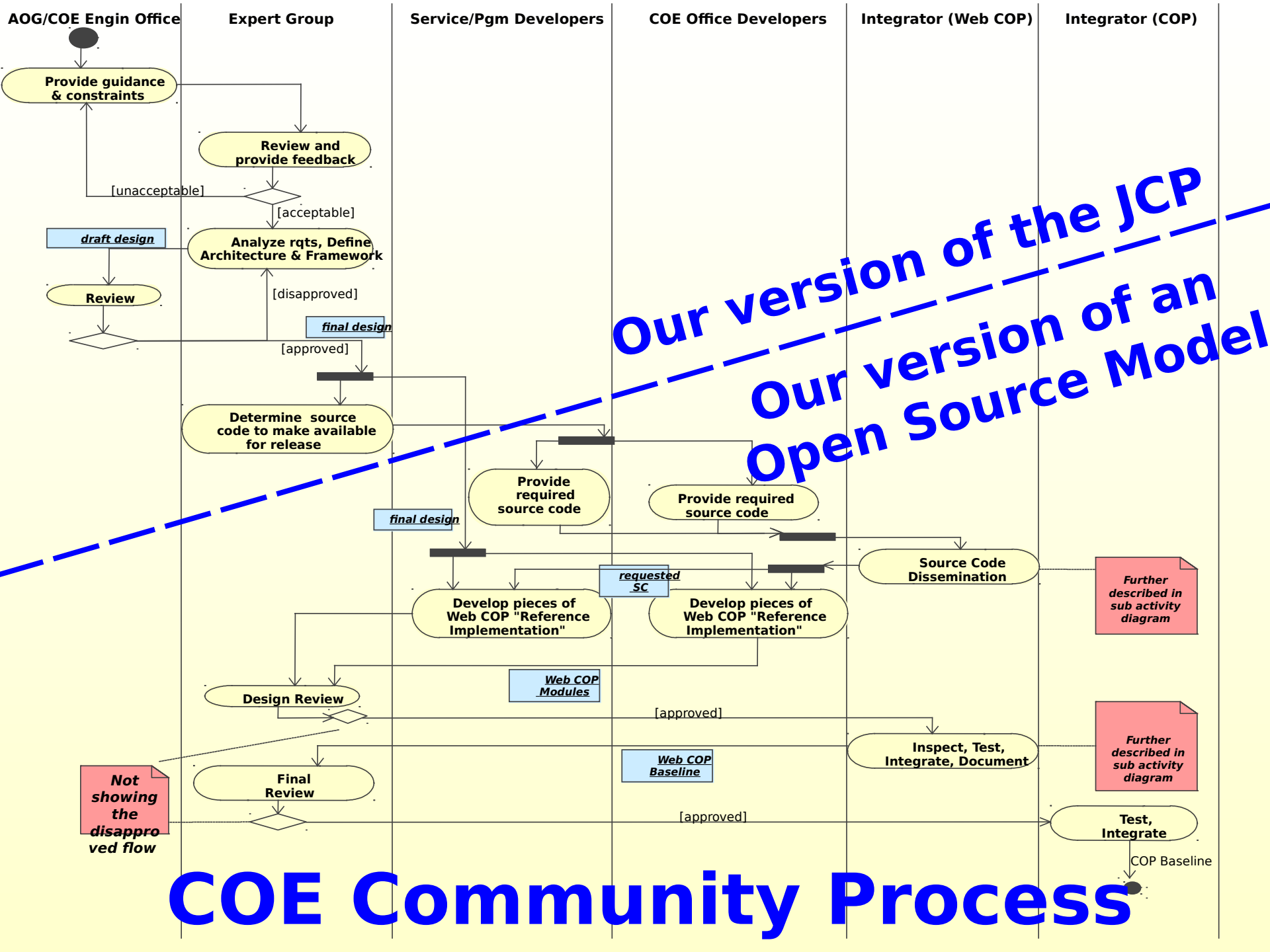
- **Any organization willing to provide funding and agreeing to build to the success criteria defined by DISA**
  - **Must be “approved” by an AOG rep**
  - **Initially, will ask for one developer per service**
- **COE office will not be the lead developer**
  - **Role similar to Sun in the Java Community Process**

DEFENSE INFORMATION SYSTEMS AGENCY

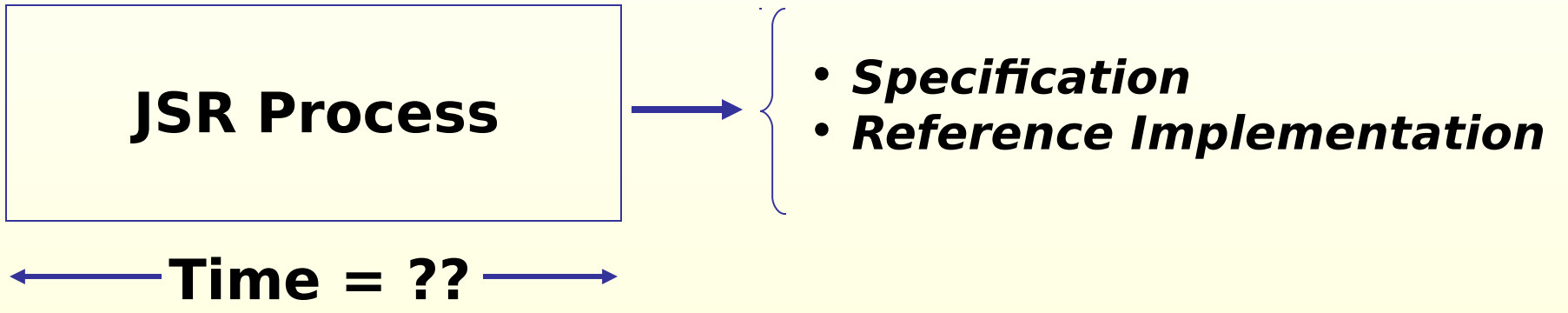
# Backup Charts Follow

# What are we Proposing?

- **A "COE Community Process" Pilot Program**
  - **Tightly focused on providing the WebCOP capability**
- **A radical shift in how the DOD builds joint software**
  - **Community development in a controlled environment**
  - **Loosely Modeled on the Java Community Process**


AOG/COE Engin Office
Expert Group
Service/Pgm Developers
COE Office Developers
Integrator (Web COP)
Integrator (COP)
Provide guidance & constraints
Review and provide feedback
[unacceptable]
[acceptable]
draft design
Analyze rqts, Define Architecture & Framework
Review
[disapproved]
final design
[approved]
Determine source code to make available for release
Provide required source code
Provide required source code
final design
requested SC
Source Code Dissemination
Further described in sub activity diagram
Develop pieces of Web COP "Reference Implementation"
Develop pieces of Web COP "Reference Implementation"
Web COP Modules
Design Review
[approved]
Inspect, Test, Integrate, Document
Further described in sub activity diagram
Web COP Baseline
Not showing the disapproved flow
Final Review
[approved]
Test, Integrate
COP Baseline
Our version of the JCP
Our version of an Open Source Model
COE Community Process

# JCP vs. COE Community: Process and Product



# Definition of WebCOP

- **Map and Track Display capability tailored for thinner clients than are currently supported:**
  - **Static (Browser only)**
  - **Dynamic (Browser with variable amounts of functionality and application code deployed to the client)**
  - **Small devices (Personal Digital Assistants, etc.)**

# What are the Success Criteria?

- **Mostly still to be developed, however,**
- **Common API set between current ICSF visualization and web-based framework WILL be the primary requirement**
  - **COE will not require applications to be built twice to fit into two different frameworks**
- **As long as the primary requirement is met, multiple solutions will be allowed**
  - **This is not encouraged, but it is a possible outcome**
  - **DISA would prefer a cooperative effort across the Services**
- **Solutions must still go through COE approval to be included as a COE component**

# Source Code Release

- **Source code will be released as approved by the Expert Group and the COE Chief Engineer**
- **Source code will be "licensed"**
  - **Fielding any version other than the DISA Golden Baseline will be a violation of the license**
  - **Violators can be prosecuted**
    - **Potential legal action for corporate entities**
    - **Potential "cut-off" from future access to the source code for government entities**
  - **Details to be worked, but we are serious about preserving a single fielded baseline for the COE**

# Who's on the Expert Group?

- **Skills:**
  - **Domain familiarity**
  - **Software design/architecture**
  - **Computer Science knowledge**
  - **Technically up to date**
- **Composition:**
  - **COE representative(s) (not the lead)**
  - **Only services/agencies that commit development resources (must have "skin in the game")**